

Title (en)

DIALYZING ELECTROFILTER WITH IMPROVED ELECTRODE

Publication

**EP 0202955 A3 19870909 (EN)**

Application

**EP 86303974 A 19860523**

Priority

US 73819885 A 19850524

Abstract (en)

[origin: EP0202955A2] A suspension of solids in a carrier liquid is dewatered by means of an electrically augmented vacuum filter (EAVF). The EAVF includes an anodic structure (23) comprising an anode (26), anolyte (38) and a filter membrane 27 for depositing solids from the suspension of solids thereon; and a cathodic structure (22) comprising a cathode (34), catholyte (35), a catholyte chamber (30), and a filtrate chamber (29) for filtering the filtrate of the bath of the suspension of solids. The catholyte chamber (30) has a membrane wall (32) which is liquid impervious and either an anion exchange membrane or a non ion selective membrane. Filtrate is removed at the filtrate chamber (29).

IPC 1-7

**B01D 57/02**; **B01D 35/06**

IPC 8 full level

**B01D 61/46** (2006.01); **B01D 35/06** (2006.01); **B01D 57/02** (2006.01); **B01D 61/42** (2006.01)

CPC (source: EP KR US)

**B01D 35/06** (2013.01 - EP KR US); **B01D 57/02** (2013.01 - EP KR US); **B01D 61/56** (2013.01 - EP KR US)

Citation (search report)

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- [Y] FR 2538551 A1 19840629 - ASAHI CHEMICAL IND [JP]
- [Y] FR 1568573 A 19690523
- [AD] US 4207158 A 19800610 - FREEMAN MARK P [US]

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0202955 A2 19861126**; **EP 0202955 A3 19870909**; AU 5769486 A 19861127; JP S6219203 A 19870128; KR 860008789 A 19861218; US 4668361 A 19870526

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**EP 86303974 A 19860523**; AU 5769486 A 19860522; JP 11836186 A 19860521; KR 860004080 A 19860524; US 73819885 A 19850524